

# Comparisons of Job Characteristics

**Focus Occupation: Fire Inspectors and Investigators (33-2021)**

**Associated Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)**

Compare Knowledge

Compare Skills

Compare Abilities

Compare Detailed Work Activities

Compare Tools and Technologies

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 52

Focus Occupation: Fire Inspectors and Investigators (33-2021)

Associated Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Engineering and Technology	5.7	18.9	6.7	<<	Extensive education and/or training may be required
Design	5.2	15.9	8.4	<<	Extensive education and/or training may be required
Mathematics	9.2	15.1	9.2	<<	Extensive education and/or training may be required
Physics	4.3	14.1	9.6	<<	Extensive education and/or training may be required
Public Safety and Security	6.9	14.0	19.2	>>	Current knowledge level is likely more than sufficient
Chemistry	4.8	13.0	12.2	0	Current knowledge level may be sufficient
Law and Government	5.9	12.4	16.4	>>	Current knowledge level is likely more than sufficient
Building and Construction	4.0	10.3	13.8	>>	Current knowledge level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 89

Focus Occupation: Fire Inspectors and Investigators (33-2021)

Associated Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating		Evaluation of Focus Occupation
Critical Thinking	10.8	14.4	13.0	<	A higher skill level may be required
Science	4.5	12.4	8.9	<<	Extensive development of skills in this area may be required

Operations Analysis	5.0	11.0	3.8	<<	Extensive development of skills in this area may be required
Systems Analysis	6.5	10.6	8.1	<<	Extensive development of skills in this area may be required
Systems Evaluation	6.4	10.5	7.9	<<	Extensive development of skills in this area may be required
Technology Design	2.6	5.8	1.9	<<	Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 90

Focus Occupation: Fire Inspectors and Investigators (33-2021)

Associated Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Problem Sensitivity	11.1	15.3	14.9	0	Current ability level may be sufficient
Inductive Reasoning	10.2	14.3	14.5	0	Current ability level may be sufficient
Deductive Reasoning	10.6	14.1	13.7	0	Current ability level may be sufficient
Written Comprehension	11.0	14.1	11.9	<	Some improvement in abilities may be required
Written Expression	9.8	13.4	10.6	<	Some improvement in abilities may be required
Near Vision	11.1	12.7	12.8	0	Current ability level may be sufficient
Information Ordering	9.9	11.9	11.5	0	Current ability level may be sufficient
Fluency of Ideas	7.6	11.0	8.5	<<	Extensive improvement in abilities may be required
Flexibility of Closure	7.8	10.9	13.5	>	Current ability level is likely sufficient
Far Vision	7.8	10.2	11.5	>	Current ability level is likely sufficient
Speed of Closure	5.9	8.2	9.3	>	Current ability level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 86

Focus Occupation: Fire Inspectors and Investigators (33-2021)

Associated Occupation: Health and Safety Engineers, Except Mining Safety Engineers and Inspectors (17-2111)

Work Activities	Exclusivity of Activity
Analyze existing evidence or facts	69
Communicate technical information	4
Compile information on findings from investigation of accidents	82
Conduct fire hazard inspections	92
Conduct training for personnel	30

Determine fire causes	99
Inspect facilities or equipment for regulatory compliance	51
Make presentations	13
Recommend action to ensure compliance	73
Use knowledge of materials testing procedures	70

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

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### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.